Total Power Solutions

BALDOR®
GENERATORS

Portables • Towables • Automatic Emergency Standby • Prime Power • Peak Shaving

A Proven Company

In 1920, an electrical engineer and a master machinist began designing and manufacturing some of the highest quality, most energy efficient electric motors in the world. The company's original slogan – "Baldor: A Better Motor" – aptly expressed the company's philosophy. Almost eighty-five years later, Baldor Electric Company continues this legacy and commitment to quality as North America's largest and most preferred* designer, manufacturer and marketer of industrial electric motors and drives.

Today, that same level of unparalleled quality is built into every component of every product in our extensive line of generators.

The Value Formula

$$V_p = \frac{Q_p \times S_p}{C \times T}$$

The Baldor Value Formula is at the core of everything we do. From design to manufacturing to sales and service, the Value Formula is the cornerstone from which we operate.

The formula illustrates the equal importance of four factors shaping our customers perception of Value. We constantly make improvements in the Quality of our products. We strive to improve the level of Service to our customers, making their jobs easier. By improving Quality and Service while reducing the ownership Cost of our products and the Time it takes to deliver products to our customers, our Value (as perceived by the customer) continues to increase… year after year.

* Most preferred among distributors, design engineers and end-users. Source: 1985 – 2000 annual surveys conducted by leading industrial magazines and independent research companies.

Stable leadership and management has allowed Baldor to excel in all product areas for more than 80 years.

John A. McFarland, Baldor Chairman and CEO, right, and Ronald E. Tucker, Baldor President and CFO, left.

Modern buildings located in Mukwonago and Oshkosh Wisconsin reflects the experience of over 61 years of combined generator manufacturing and dedication to providing the best generator value available.

Mukwonago, Wisconsin

Oshkosh, Wisconsin

Powerful Engineering

Baldor alternators are built to the most exacting standards. Combining proprietary manufacturing processes with years of engineering know-how results in an unmatched level of product quality.

Our engineers and designers use the most current electrical design software platforms, along with AutoCad® and Solidworks® mechanical design software.

Engineered to Perform

Every generator, large or small, is designed and engineered to produce efficient electrical power while providing reliable, unmatched performance. As a single-source ISO 9001 registered power equipment manufacturer, each Baldor generator, stock or custom, is designed to NEMA, NFPA 110, CSA and UL standards when applicable, assuring our customers that every generator complies with the most rigid levels of quality, efficiency and safety.

All generators undergo rigorous testing before they leave either our Oshkosh or Mukwonago plant. This ensures that the generator performance you requested and we promised is exactly what you receive.

We Have the Right Answers to Your Important Questions

No other generator manufacturer offers you more technical support than Baldor. We have a dedicated team of experts to answer questions and provide specification solutions.

Our exclusive Baldor ProSPEC website (www.BaldorProSPEC.com) provides comprehensive technical and specification information for consulting, specifying and design engineers. This unique service is available 24 hours a day. And, if you have specific questions, click our "Ask the Engineer" page within the website, which allows you to pose your most difficult questions. Our promise is to have an answer back to you within one working day.

The Industry's Most Powerful Lineup

No One Offers More Choices From 1 – 2,000 kW

Whether you need a reliable portable, rugged mobile generator, an automatic emergency standby system or a genset for prime power or peak shaving applications, Baldor can deliver.

Our gasoline, diesel, propane and natural gas power systems have become preferred products in some of the most demanding industrial, military and commercial applications throughout the world. Over the years, we have developed and produced generators to satisfy the real-world demands of:

- The United States Air Force and other military forces throughout the world
- The telecommunications industry
- The rental industry
- Original equipment manufacturers
- The mining industry
- The construction industry
- Critical service prime power and standby applications

By providing our customers with choices of leading engine manufacturers, Baldor engineers will design the right total package for any power application.

Engine Choices

- Detroit Diesel
- Cummins
- Mitsubishi
- Ford
- Hatz
- Vanguard
- Isuzu
- John Deere
- Kubota
- Honda
- Robin
- GM

Portables – 1 to 11 kW

Baldor portable generators are designed for an endless list of industrial applications where portable power is required. The performance and durability of these generators has made them "the generator of choice" for many rental equipment companies, contractors and a variety of industrial users.

Baldor offers portable generators with more standard features and options than any portable generator manufacturer in the industry.

Mobile Power – 6 to 250 kW

Baldor mobile power generators and light towers are built to last. Each is designed and engineered for superior reliability, versatility, durability and safety. From the ultra-quiet sound attenuated enclosures and reliable generator sets to the

Construction

Emergency Vehicles

Events Services

most sophisticated electronics and controls, these units are engineered to meet the most rugged, demanding conditions. Our light towers, towable, and skid mount generators are ideal for all industrial, commercial and rental applications where mobile power is a necessity.

Automatic Emergency Standby – 8 to 15 kW

The Automatic Emergency standby line of generators are designed and built specifically for the emergency power needs of the luxury residential and commercial customer. When used with an automatic transfer switch, these units continuously monitor the electrical voltage in a home or commercial property, starting automatically if the power supply is interrupted. Each unit operates quietly and efficiently until utility service is returned. Any unit can be operated in the manual or automatic mode.

Prime Power, Emergency Standby and Peak Shaving – 15 to 2,000 kW

No other generator manufacturer offers a wider variety of industrial prime power, emergency standby or peak shaving power systems than Baldor. Applications such as poultry farms, hospitals, isolated mining operations and industrial plants, to name a few, depend on Baldor generators to run and protect their most valuable assets. Available in almost any imaginable configuration, each industrial genset is designed to meet your specific application needs. From our in stock DLC and GLC gensets to custom designed IDLC and IGLC gensets, you can depend on years of trouble-free power with Baldor Generators.

Residential

Agriculture

Commercial/Industrial

Portables

Big Power in a Variety of Small Packages

The four lines of Baldor portable generators represent more than 40 years of experience in the portable generator industry. Each generator is designed, engineered and tested to provide maximum performance with minimal servicing.

Baldor portables exemplify the best thinking and engineering you can find in a portable power source. Our superior alternator construction provides longer life. An exclusive 2-part protective epoxy coating guards windings from sand, stone and moisture; every Baldor portable generator is super tough and super reliable.

Portable Features

- Commercial and industrial grade gasoline or diesel engines from Honda, Robin, Hatz or Vanguard
- High efficiency brushless generators for lower maintenance costs

Inverter Series

Model	60HZ kW
PC17RI	1.6 kW
PC32RI	3.2 kW
PC43RI	4.3 kW

Features

- Combination voltage output – 120VAC and 12VDC are both available at all times.

Diesel

Model	60HZ kW
DG3E	3.3 kW
DG6E	6 kW

Features

- Combination voltage output – 120V and 240V are both available at all times on dual voltage units. **No "Full Power Switch" required!**
- A focal vibration system extends life and eliminates "floor walking"

Powerchief

Model	60HZ kW
PC11R	1.1 kW
PC30H	3 kW
PC40H	4 kW
PC50H	5 kW
PC60H	6 kW
Electric Start	
PC60HE	6 kW
PC90VE	9 kW

Features

- Combination voltage output – 120V and 240V are both available at all times on dual voltage units. **No "Full Power Switch" required!**
- An automatic idler reduces fuel consumption and engine wear
- A focal vibration system extends life and eliminates "floor walking"

Premier

Model	60HZ kW
R30	3 kW
OHV30	3 kW
OHV40	4 kW
R45	4.5 kW
OHV50H	5 kW
R60	6 kW
OHV60	6 kW
Electric Start	
R45E	4.5 kW
R60E	6 kW
OHV60E	6 kW
OHV85E	9 kW
OHV100E	10.5 kW
OHV110E	11 kW

Features

- Combination voltage output – 120V and 240V are both available at all times on dual voltage units. **No "Full Power Switch" required!**
- A focal vibration system extends life and eliminates "floor walking"
- An automatic idler reduces fuel consumption and engine wear

Left: Baldor portable generators are designed to perform under the most severe application conditions. From rental and construction, to emergency portable power, Baldor has the solutions.

Mobile Power

Power On the Go

20 kW – 200 kW

Baldor mobile power generators and light towers are full featured units specifically engineered for industrial, commercial and rental applications. Powered by industrial grade diesel engines, these mobile power generators and light towers have been proven to perform under the heaviest loads in the most severe conditions. Ideal on-site power uses include:

- Construction industry
- Concerts/festivals/special events
- Municipal applications
- Emergency power
- Agriculture
- Isolated areas where mobile power is the only choice

Like all Baldor products our generators and light towers are engineered and built to the most stringent standards with features that are designed to provide ease of use and years of trouble-free operation.

Left: Baldor towable generators are by far the most rugged and durable available, guaranteeing the highest return on investment possible. In stock for immediate shipment.

Custom built units up to 2 megawatts!

Mobile Generator Features

- Available with or without trailers
- Large integral fuel tanks for on or off the trailer use
- Heavy 12-gauge steel enclosure construction with sound attenuation and durable powder coat paint finish
- Automatic safety shutdowns with indicator lights: low oil pressure, high water temperature, engine overcrank and engine overspeed
- Heavy-duty engine cooling systems to operate in the most extreme temperature conditions
- Three-position voltage connection switch allows quick and easy selection of one of the three voltage combinations
- Single point removable lifting eye
- Circuit breaker – Main and Outlets

Towable Generators

Model	60HZ kW
TS25T	25kVA/20kW
TS45T	45kVA/38kW
TS80T	80kVA/65kW
TS130T	130kVA/107kW
TS175T	175kVA/140kW
TS250T	250kVA/200kW

Skid Mount Generators

Model	60HZ kW
TS25S	25kVA/20kW
TS45S	45kVA/38kW
TS80S	80kVA/65kW
TS130S	130kVA/107kW
TS175S	175kVA/140kW
TS250S	250kVA/200kW

Light Tower Features

- 4 Powerful 1000 Watt metal halide lamps
- Elliptical light fixtures provide a more efficient light pattern than conventional round fixtures
- 2000 watts for convenience outlets 120 and 240 Volt
- Sturdy construction with heavy gauge powder coated steel and quality highway trailer suspension
- Zinc plated 30' 4-section mast rotates 360 degrees

Light Towers

Model	60HZ kW
PL6000K	6 kW
PL6000L	6 kW

Automatic Emergency Standby

Proven Power for Your Home or Business

8 kW – 15 kW

Baldor manufactures a complete line of Automatic Emergency standby generators to provide clean, quiet and reliable emergency power for luxury homes and small businesses. When combined with an automatic transfer switch, these generators are the ideal protection against rolling blackouts or complete power outages. These units continuously monitor the electricity supply and start automatically if the power goes out, then shut off automatically when the utility power source is restored.

Each model is available to operate on your choice of natural gas or LP gas, powered by industrial grade engines. Plus, each generator is designed to blend into its environment with clean lines and neutral color schemes.

Left: Automatic emergency generators provide clean power when utility power is not available. With a Baldor AE generator, you don't have to be left in the dark!

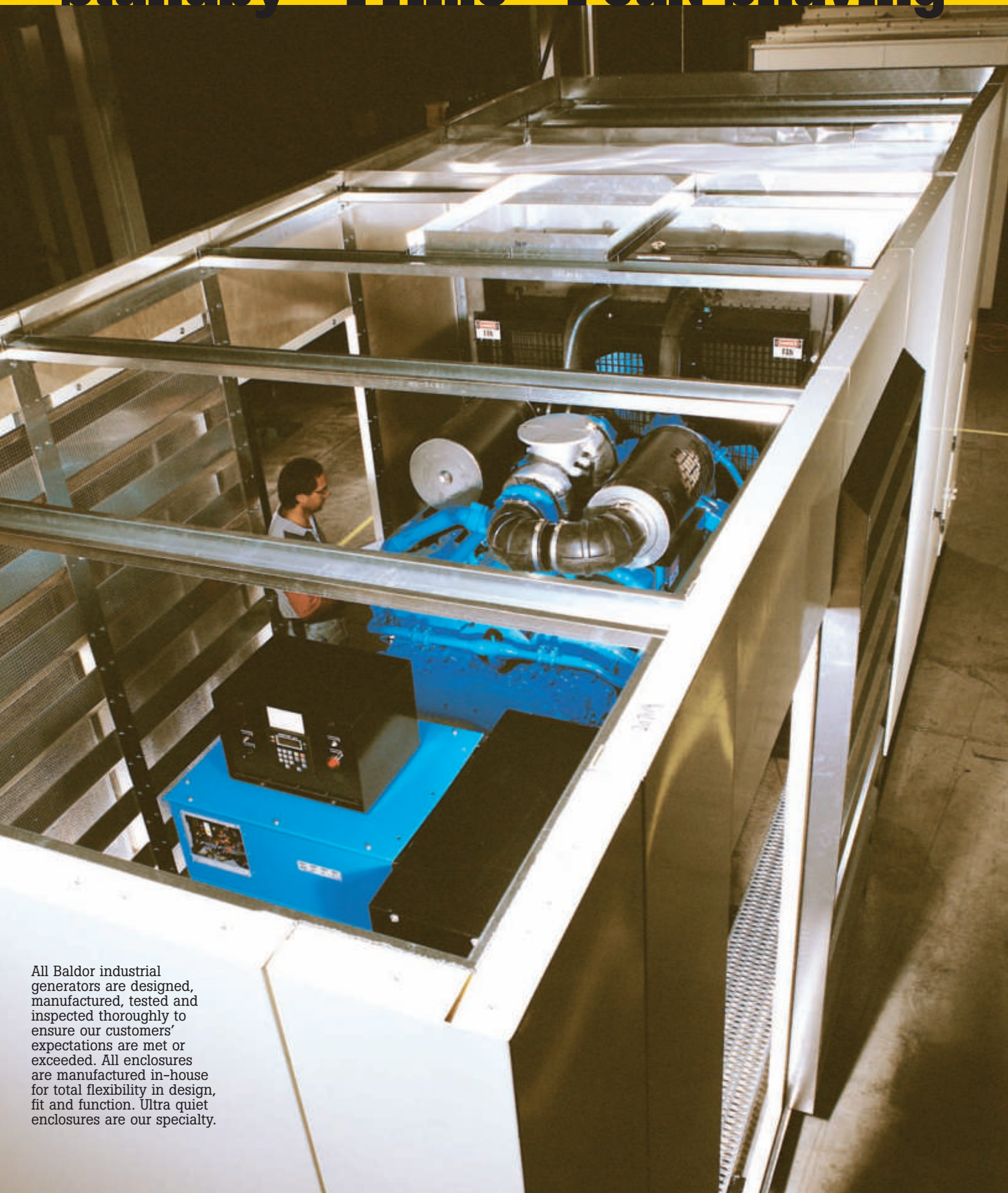
Standard Features

- Industrial grade air-cooled engines
- Direct coupled high efficiency brushless generator for dependable operation
- Advanced engineering includes superior weather tight enclosure with premium sound insulation for extra quiet operation
- Neutral color exterior finish keeps the unit looking good for years
- Dual-side or top opening serviceability include gaskets on doors and panels for a tight seal
- Solid-state controls for assured reliability
- Protected engine mufflers reduce noise and direct excessive heat from the engine
- High temperature, low oil pressure, overspeed and overcrank shutdown protection with indicator lights
- Circuit breaker protection
- Epoxy coated alternator winding components
- Copper wire is impregnated with varnish for protection from movement, moisture and abrasives
- When connected to an automatic transfer switch weekly exerciser automatically starts and runs the unit for periodic testing
- Generators are production tested before leaving the plant

AE Standby

Model	LP - kW	Nat Gas - kW
AE8-E	8	7.2
AE10-E	10	9
AE11-E	11	10.5
AE15-E	15	12.5

Standby • Prime • Peak Shaving



All Baldor industrial generators are designed, manufactured, tested and inspected thoroughly to ensure our customers' expectations are met or exceeded. All enclosures are manufactured in-house for total flexibility in design, fit and function. Ultra quiet enclosures are our specialty.

Powering Industry Today and Tomorrow

Industrial Standby, Prime Power and Peak Shaving Gensets – 20 kW to 2,000 kW

The DLC Series – 30 kW to 200 kW

Baldor Diesel Liquid Cooled generator sets provide extremely dependable power in a durable, simple package. With many models in stock to choose from, the rugged design and ease of use has made these generators the emergency and standby power source for farms and agriculture facilities throughout North America.

DLC generators are powered by industrial-grade engines, each direct coupled to a proven brushless synchronous four-pole alternator. Available with single phase output as an open-frame unit or optional weather protective enclosure, the DLC Series is designed to get the job done, at a lower cost, when emergency power is critical.

Standard DLC Series Features and Options

- Industrial-grade John Deere diesel engines
- Heavy-duty skid frames
- Digital control panel
- Single phase output voltages
- Alternators comply with NEMA, IEEE and ANSI standards
- 100% block loading
- Complete design, prototype and production tested

Available Options Include:

- Industrial grade exhaust silencers
- Cold weather starting package
- Weather resistant enclosures
- Line circuit breaker
- Starting battery and AC charger
- Single or double wall sub-base fuel tanks

Diesel

Model	60HZ kW
DLC30	30 kW
DLC50	50 kW
DLC60	60 kW
DLC75	75 kW
DLC100	100 kW
DLC125	125 kW
DLC150	150 kW
DLC200	200 kW

The GLC Series – 15 kW to 125 kW

Baldor offers an array of stock Gaseous Liquid Cooled gensets to meet the emergency and prime power needs for industrial, commercial, telecommunications, municipal and other critical demand applications. The GLC Series is also designed to assist with peak shaving and interruptible rate applications. Because these units operate on natural gas or LP gas, the need for on-site liquid fuel storage is eliminated.

Industrial-grade engines provide the dependable power that drives each generator, ensuring reliable performance while supplying clean power. Every GLC Series genset is engineered and built to industrial standards, including the superior weather protective sound attenuating enclosures.

Available in stock configurations with a long list of standard and optional features.

GLC Series Features

- Reliable industrial gaseous fuel engines
- Solid state controls feature full adjustability for maximum flexibility
- Heavy-duty components and construction for use in prime or standby applications
- Single and three phase output voltages
- Super efficient brushless synchronous four-pole alternators
- 12V DC electric start
- 100% block loading
- Prototype tested per NFPA 110

Available Options Include:

- Industrial grade exhaust silencers
- Designed to UL 2200 standards
- Main line and field circuit breakers
- Cold weather starting package
- Electronic governor
- Starting battery and AC charger
- Sound attenuated enclosures

Gaseous

Model	LP - kW	Nat Gas - kW
GLC20	20 kW	20 kW
GLC25	25 kW	22.5 kW
GLC30	30 kW	30 kW
GLC35	35 kW	35 kW
GLC45	45 kW	40 kW
GLC50	50 kW	50 kW
GLC60	60 kW	55 kW
GLC80	80 kW	80 kW
GLC100	100 kW	87 kW
GLC125	110 kW	130 kW

Whether used for prime power or standby applications, Baldor generators are put to the test daily and regularly exceed the demands and expectations of customers worldwide.

The IDLC and IGLC Series – 30 kW to 2,000 kW

A 500 kW peak shaving generator provides an industrial manufacturer complete payback within two years. The generator also provides standby power when required.

Every Baldor custom generator set is designed and engineered to meet the individual needs of any industry, any site, any application…anywhere. Whether the need is primary power for a Chilean copper mine, backup power for one of the nations largest prison complexes or supplying standby and peak shaving power for a large metropolitan computer center, Baldor Industrial Diesel Liquid Cooled (IDLC) generators and Industrial Gaseous Liquid Cooled (IGLC) generators are at work all over the world in environmental conditions ranging from extreme desert temperatures, wind, dust and snow, to tropical hurricanes.

Custom-engineered solutions are the key to the success and dependability of the IDLC and IGLC Series. This means every customer receives a system tailored exactly to their specifications – no generic, off-the-shelf system that may or may not perform up to the specified standards. Every system is engineered using the latest computer design software platforms combined with only the highest quality components and custom designed enclosures.

Every IDLC and IGLC Series genset is fully tested on-site at our facility prior to shipment. Components comply to applicable specifications including UL, CSA and NFPA 110 standards. On custom gensets, additional testing can be performed to ensure every unit will meet the special requirements of the application.

Baldor 2 megawatt generators provide prime power for peak demands at a Northwestern USA peaking plant. Custom designs are our specialty.

Powertrain, Alternator and Platform Features

- Industrial grade Detroit Diesel, John Deere, Mitsubishi diesel engines and Cummins gaseous fuel engines available
- Integral vibration isolators eliminate the need for external vibration mounting
- Extra heavy-duty welded steel sub-base eliminates potential for failure compared to bolted frame construction
- Block and enclosure heaters available on all models
- Heavy-duty cooling systems available to provide superior performance in ambients up to 125 degrees Fahrenheit
- Fan and belt guards for maximum operator protection
- Alternators built with 100% copper windings set in Class H insulation and thermosetting epoxy
- PMG excitation systems provide 300% short circuit current for 10 seconds
- Solid state voltage regulator provides reliable service under the harshest environmental conditions. Meets Mil Standard 461B Part 9, conducted and radiated
- Under frequency protection, over excitation protection, loss of sensing indicator and phase sensing

Containerized mobile generators to 2 megawatt. 20' and 40' ISO containers custom designed and finished per your specifications.

IDLC

Model	60HZ kW
IDLC30	30 kW
IDLC40	40 kW
IDLC50	50 kW
IDLC60	60 kW
IDLC70	70 kW
IDLC80	80 kW
IDLC100	100 kW
IDLC125	125 kW
IDLC150	150 kW
IDLC180	180 kW
IDLC200	200 kW
IDLC230	230 kW
IDLC250	250 kW
IDLC275	275 kW
IDLC300	300 kW
IDLC350	350 kW
IDLC400	400 kW
IDLC450	450 kW
IDLC500	500 kW
IDLC600	600 kW
IDLC750	750 kW
IDLC800	800 kW
IDLC900	900 kW
IDLC1025	1020 kW
IDLC1250	1250 kW
IDLC1500	1500 kW
IDLC1600	1600 kW
IDLC2000	2000 kW

IGLC

Model	60HZ kW
IGLC125NL	125 kW
IGLC145NL	145 kW
IGLC150NL	150 kW
IGLC185NL	185 kW
IGLC215NL	215 kW
IGLC250NL	250 kW
IGLC280NL	280 kW
IGLC325NL	325 kW
IGLC350NL	350 kW
IGLC400NL	400 kW
IGLC485NL	485 kW
IGLC500N	500 kW
IGLC575NL	575 kW
IGLC625NL	625 kW
IGLC675NL	675 kW
IGLC750N	750 kW
IGLC800N	800 kW
IGLC880N	880 kW

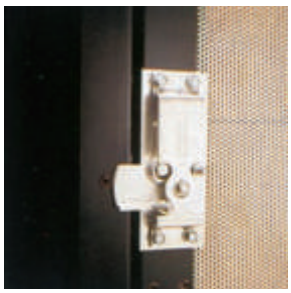
Baldor Enclosures are Better by Design

Baldor genset enclosures are the best engineered and constructed enclosures in the industry. No other manufacturer puts as much an emphasis on enclosure design, construction and performance. Only the highest quality materials and mechanical components are acceptable. From the hinges, special sound deadening materials and roof mounted silencers, no corners are cut…no expense is spared to give each customer the highest quality genset enclosure available.

Construction
The bolt together modular design is superior to a welded box. It affords flexibility and ease of maintenance. All surfaces are painted prior to assembly. Sections may be removed for service of major components.

Hinges
Zinc plated or optional stainless steel butt hinges with removable brass pins are long lasting and easy to open or close for routine maintenance.

Handle
Lockable (keyed alike), zinc plated, L-type door handles are easy to use and provide security.

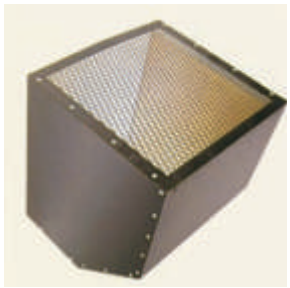


Latch
Heavy duty, single-point latches are durable and easy to use.

Sound Deadening Lining
Sound absorbing acoustical insulation held in place by perforated aluminum sheets, with 1/8" holes providing about 40% open area for maximum sound dampening.

Acoustic Intake Louver
Exterior view. Constructed of mill finish aluminum. (Replaces standard intake louver)

Acoustic Intake Louver
Interior view. Includes bird screen, acoustic insulation and perforated aluminum.



Acoustic Exhaust Hood
Constructed of 14 gauge steel or aluminum (as specified) lined with sound deadening insulation and perforated aluminum. (Replaces standard exhaust louver)